Suggested Tabular Formats for Required Data for Applications for the Ruth L. Kirschstein Institutional National Research Service Award (T32)

National Heart, Lung, and Blood Institute
National Institutes of Health

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Tabular formats for presenting the data required for peer review of a NHLBI NRSA T32 application are provided below. These formats were developed in direct response to reviewers' requests for consistent data presentations. While not required, these specific formats will facilitate peer review and may also be useful as a framework for the narrative sections. It is preferred that the tables be included in the main application (will not be counted toward the page limitation) rather than in the Appendix.

Table I. Training Grant Support Available to Participating Faculty and Departments[1]

[1] PHS 398 (Rev. 5/01), page 66, section 8, Background, paragraph 3, "In a table, list all current and pending training grant support available...."

List all other training grant support currently held by faculty members and departments participating in this training grant application. If none of the participating faculty or department(s) have other training support, this should be indicated.

Rationale: This information provides insight into the training environment in each preceptor's laboratory, as well as the demands on his or her time to interact with trainees.

Sample Table I

Faculty Member or Department	Funding Source, Grant or Contract, No. and Title	Program Director	Project Period	No. of Positions Pre/Post	Awarded Direct Costs/Yr
Davies, J.	NIH T32DK12345 Training in Molec Biology	Holland, R.	98-02	0/6	$205,000
George, B.	NIH T32AI32109 Training in Transplant Immunology	Series, H.	99-03	4/5	$342,000
Department of Medicine	NIH T32HL43213 Training in Lung Health and Med.	Brand, J.	99-03	2/6	$263,000

Table II. Participating Faculty Members[1]

[1] PHS 398 (Rev. 5/01), page 67, section 8, Program Faculty, paragraph 1, "List each training faculty member...."

Although this table is not requested in the PHS 398, its inclusion will assist the reviewers in evaluating the application.

Sample Table II

Name/ Degree	Rank	Primary (& Secondary) Appointment(s)	Research Interest	Role and % Effort
Holmes, J., Ph.D.	Prof.	Molecular Biology	Regulation of Vascular K-ATPase	Program Director, 10%
Terry, W., Ph.D.	Prof. & Chr	Biochemistry & Molecular Biophysics	Allograft Rejection	Mentor, 3%
Smythe, A., M.D.	Asst. Prof	Pharmacology (Biochemistry)	Cellular Mutagenesis	Mentor, 5%
Fisher, J., Ph.D.	Assoc. Prof	Physiology; (Pharmacology)	Imaging of Regional Myocardial Perfusion	Mentor, 5%

Table III Current and Pending Research Grant and Contract Support of the Training Faculty[1]

(Alphabetically by Faculty Member)

[1] PHS 398 (Rev. 5/01), page 67, section 8, Program Faculty, paragraph 1, "In a table, indicate active and pending research support for each participating faculty member...."

This table should replace Item C. Research Support of the "Biographical Sketch Format Page" of the PHS 398 (Rev. 5/01) kit for each faculty member. Include all support (Federal and non-Federal); do not include other training grants (these are in Table I).

Rationale: One component of the overall strength and suitability of the training environment is the pool of active and pending research grant and contract support held by the preceptors.

Sample Table III

Faculty Member	Funding Source, Grant or Contract No., and Title	Awarded Direct Costs per Remaining Years[1]		Project Period
Gavett, M.	NIH 5 R01 HL32456 Platelet Factors in CV Blood Flow	-03 -04 -05	$ 52,378 54,473 56,652	01/97-12/01
Holmes, J.	American Heart Association Established Investigator Molecular Cloning of Heart K+ Channels	-03 -04 -05	$ 35,000 35,000 35,000	07/99-06/03
	NIH 2 R01HL46789 Regulation of Vascular K-ATPase	-06 -07 –08 -09 -10	$ 198,250 203,200 209,320 214,933 221,130	03/00-02/04
Smythe, A.	NSF PCM 81-27741 Cellular Mutagenesis	-01 -02	$ 30,500 32,750	07/99-06/00
Terry, W.	NIH 1 R01 AI12345 Immunological Reactivity and Allograft Response	-01 -02 -03 -04 -05	$ 97,150 101,036 105,077 84,980 88,380	07/00-06/05 Pending

Novartis Corporation	-04	$	80,000	06/99-05/01
Regulation of Enothelial Growth and Immunological Suppression of Myocardial Antigens	-05		80,000	

[1] Awarded figures for funded grants or contracts, or requested costs for pending applications.

Table IV. Training Record of Participating Faculty[1]
(Alphabetically by Faculty Member)

[1] PHS 398 (Rev. 5/01), page 67, section 8, Program Faculty, paragraph 3, "In a table for each faculty member....list all past and current students..."

For each faculty member identified in this application, list all past and current students for whom he or she has served as thesis advisor or sponsor. Consider only the last 10 years.

If a faculty member has not had predoctoral or postdoctoral students, indicate this.

Rationale: The training experience success of a preceptor can be gauged by the number of previous trainees he or she has sponsored and their subsequent career paths.

Sample Table IV

Faculty Member	Trainee (Predoc/ Postdoc)	Training Period	Institution Date & Type of Degree Awarded[1]	Title of Research Project	Current Position or Source of Support[2]
Holmes, J.					
Past Trainees					
	Safer, P. (Predoc)	92-96	UCSD, 1990 B.S.	PKC Cardiac Protection	Postdoc Univ. Texas
	Spotter, R. (Postdoc)	97-99	Harvard, 1996, Ph.D.	Ca antagonists and preconditioning	Asst. Prof. Yale Univ.
Current Trainees					
	Browne, A. (Predoc)	97-	U. Tenn 1997, B.A.	Selective inhibition K-ATP-ase	T32HL3244
	Witmer, G. (Postdoc)	99-	JHU, 1998 Ph.D.	Oxygen radicals in myocardial protection	F32HL4666

Stuart, G.

Past Trainees

Raney, H. (Postdoc)	95-98	UCSF, 1992 M.D.	Collateral vessel Development and MI	Assoc. Prof. Baylor Coll. Med.
Fillups, L. (Postdoc)	96-99	Boston, U. 1992, MD/PhD	Growth factors in coronary vessel signaling	Asst. Prof. Univ. Penn.

Current Trainees

none

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[1] Prior to entering training

[2] For former trainees, list current position; for current trainees, list source of support

Table V. Applicant Pool for Selection of Trainees[1]

[1] PHS 398 (Rev. 5/01), page 68, section 8, Trainee Candidates, paragraph 2, "Create a table for each participating department/unit...."

For each of the last five years and for each participating Department, give the number of individuals who have: formally applied for training; been offered admission; entered training; completed or are in training; and left the program. If predoctoral or postdoctoral positions are not requested for this program, these data should not be included.

Rationale: These data (as well as the data in Tables VI & VII) can be used to evaluate the size and quality of the applicant pool from which trainees may be selected.

Sample Table V [1]

Department of Medicine

Year	Type	No. Applications Received[1]	No. of Positions Offered	No. Entering Training	No. Completed/ in Training	No. Leaving Program[2]
1991	Pre	25	20	16	13	3
	Post	10 (2)	6 (2)	4 (0)	4	0
1992	Pre	36	20	13	12	1
	Post	14 (6)	8 (4)	7 (3)	7	0
1993	Pre	38	24	23	21	2[3]
	Post	18 (9)	10 (6)	9 (5)	8	1
1994	Pre	41	24	22	22	0
	Post	18 (12)	16 (10)	14 (8)	14	0
1995	Pre	37	26	22	21	1
	Post	20 (11)	18 (10)	17 (9)	15	2

Department of Physiology

Year	Type	No. Applications Received[1]	No. of Positions Offered	No. Entering Training	No. Completed/ in Training	No. Leaving Program[2]
1991	Pre	12	8	6	6	2
	Post	8 (2)	6 (2)	5 (1)	5	0
1992	Pre	15	12	10	10	0
	Post	10 (3)	8 (2)	6	5	1[4]
1993	Pre	22	15	14	12	2
	Post	12 (0)	8	8	7	1
1994	Pre	26	18	16	15	1
	Post	13 (2)	9 (2)	8	8	0
1995	Pre	24	17	15	12	3
	Post	16 (2)	12 (2)	10	9	1

[1] Indicate in parentheses number of M.D. applicants; count M.D./Ph.D. as M.D.

[2] Indicate if any fellows leaving the program have continued training elsewhere

[3] 1 opted for an M.S. degree; 1 left to join training program in another Department

[4] Left training program for private practice

Table VI. Predoctoral Applicant Pool[1]

[1] PHS 398 (Rev. 5/01), page 68, section 8, Trainee Candidates, paragraph 3, "In a table, anonymously indicate....."

Anonymously indicate the credentials and application outcomes of the predoctoral applicant pool for the most recent year for each participating department and unit.

Rationale: These data can be used to evaluate the size and quality of the predoctoral applicant pool from which trainees may be selected.

Sample Table VI

Year/ Department or Program Applicant[1,2,3]	Previous Institution	GRE Scores V/Q	ADV	GPA	Offered Admission (x)	Entered Program[4] (x)	US Perm Res(PR)
2002/ Molecular Biology Program							
1	U. MI	555/695	690	3.70	x	x	US
2*+	Stanford	564/703	655	3.78	x		
2002/ Department of Pharmacology							
1	U. Texas	559/732	677	3.46	x	x	PR
2	U. Penn	589/776	702	3.80	x		

[1] Applicants may be identified by numbers, rather than by names, to safeguard privacy. Prioritize the applicants in each unit to list those accepted and matriculated first, then those accepted and not matriculated, and finally those not accepted.

[2] Provide date for all programs/departments that are relevant to this application.

[3] Designate applicants who are eligible for training grant support (based on citizenship or permanent residency status) with an asterisk (*) and underrepresented minority applicants with a dagger (+).

[4] For those candidates who did not accept an offer, note where they actually matriculated, if known.

Table VII. Postdoctoral Applicant Pool[1]

[1] PHS 398 (Rev. 5/01), page 68, section 8, Trainee Candidates, paragraph 4, "....name, degree(s) and year awarded....research topic....."

Present the qualifications of prospective postdoctoral trainees in the most recent applicant pool.

Rationale: These data can be used to evaluate the size and quality of the postdoctoral applicant pool from which trainees may be selected.

Sample Table VII

Fellow[1]	Previous Institution	Degree & Year	Preceptor	Thesis Topic or Residency Training	Offered Admission (x)	Entered Program (x)
Williams, F.	Ohio State U.	Ph.D. 2001	Holmes, J.	Neuronal K+ Currents	x	x
Sardo, D.*	Yale U.	M.D. 2000	Smith, A.	Washington U.	x	
Ortez, A.+*	U. Maryland	Ph.D. 1999	Stuart, G.	Cardiac Metabolism	x	x
Gartland, T.*	U. Wisconsin	M.D. 1998	Lech, J.	Harvard U.	x	x
Chance, A.+*	U. Notre Dame	Ph.D. 2002	Allen, D.	Lung Development	x	
Avery, L.	St. Louis U.	Ph.D. 1998	Davies, J.	Vascular Biology	x	x

[1] Indicate the training grant eligible fellows (based on citizenship or permanent residency status) with an asterisk(*) and underrepresented minority fellows with a dagger (+).

PROGRESS REPORT (Competing Continuation Applications Only)

Table VIII. Assignment of Awarded Trainee Positions[1]

[1] PHS 398 (Rev. 5/01), page 69, section 8, Progress Report, paragraph 1, "Provide a table documenting for each year....the program's actual assignment of awarded positions."

Sample Table VIII

Year	Total # Positions Awarded	# Predoctoral Trainees Appointed	# Postdoctoral Trainees Appointed			PGY of Postdoc Trainees							# Positions Unfilled*
			MD/ PhD	MD	PhD	0	1	2	3	4	5	6	7	
01	6	2	1	2	1	1		1		2				0
02	6	2	1	2	1		1		1		2			0
03	6	2		2	2			2	2					0
04	6	2		2	2				2	2				0
05	6	2		1	2					1		2		1*+

* Explain any training positions that were not filled
*+ Private Practice

PROGRESS REPORT (Competing Continuation Applications Only)

Table IX. Training Supported by this Current Grant[1]

[1] PHS 398 (Rev. 5/01), page 69, section 8, Progress Report, paragraph 2, "Provide a table listing all trainees who were or are supported by this training grant."

List only trainees supported by this grant over the last 10 years. Chronological order is preferred. Use asterisks (*) to indicate trainees from underrepresented minority groups.

Rationale: This table shows the record of past trainees supported by this training grant.

Sample Table IX

Name	Year Entering Program, Prior Institution, Degree at Entry	Support for Each Year of Training	Mentor	Research Topic	Current Position, Institute, Source of Support[1]
Predoctoral Program					
Safer, P.	90, UCSD B.S.	92-96; this grant	Holmes, J.	PKC Cardiac Protection	Postdoc Univ. Texas
Browne, A.	97; U Tenn; B.A.	97-present this grant	Holmes, J.	Selective Inhibition of K-ATPase	NA
Argos, H.	98; Miami U., M.S.	99-present; this grant	Smythe, A.	Cellular Myocyte Mutagenesis	NA
Postdoctoral Program					
Guerra, J.*	90; Medical Sch., UC San Diego M.D.	90-92; all this grant	Herd, S.	Glucocorticoid Effects in Lung Interstitium	Associate Prof., Univ. of Iowa; NIH R01
Taylor, Z.	95; Boston U., Ph.D.	96, this grant 97-98, F32	Summers, P.	Insulin Receptor Defects in Myocardium	Scientist, Upjohn Co.

Odams, S.	95; U. Oregon, M.D.	95-96, this grant	Terry, W.	Immunologic Response to Xeno-transplants	Clin Fellow, Brigham & Wom Hosp
Spotter, R.	96, Harvard: Ph.D.	97-99, this grant	Holmes, J.	Ca Antagonists And Precon-ditioning	Asst Prof Yale Univ AHA Award
Brown, G*	96; Harvard: M.D.	99-present; this grant	Velletri, T.	Na+ Transport In the Kidney	NA

[1] Refers only to those trainees who have completed the training program. Although information on the funding sources of former trainees is often difficult, it is extremely useful in accessing the success of the program

* Underrepresented Minority Trainee

PROGRESS REPORT (Competing Continuation Applications Only)

Table X. Trainee Publications[1]

[1] PHS 398 (Rev. 5/01), page 69, section 8, Progress Report, paragraph 2, "...and list all publications that resulted from the work during training."

Although this table is not requested in the PHS 398, its inclusion will assist the reviewers in evaluating the application.

Rationale: This information supplies one index of the productivity of the program and preceptors.

Sample Table X

Trainee	Publications (author, year, title, journal)
Browne, A.	Browne, A. and Holmes, J. (1998) "Role of PKC Translocation in Mediating Cardiac Protection", Circulation 97: 303-309
Argos, H.	Argos, H., Smythe, A., and Ralston, G. (1998) "Myocardial Mutants of Calmodulin," Nature Medicine 4: 704-709
	Argos, H., Rubins, A., Hager, J., and Smythe, A. (1999) "Calcineurin Interaction with Calmodulin Mutants: regulation by Calcium," Circulation 100: I-51 (Abstract)
Spotter, R.	Spotter, R., Goldman, J., and Holmes, J. (1998) "Calcium Transients during Ischemic Preconditioning," Circ. Res. 83: 166-173
Brown, G.	Brown, G. and Velletri, T. (1999) "Physiological Effects of Sodium Transport Inhibitors in the Kidney," AJP: Renal 276: F657-F662